422 Rec'd PCT/PTO 26 OCT 2000

FORM PTO-1390 REV. 5-93	US DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEYS DOCKET NUMBER P00,1838
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371		U.S.APPLICATION NO. (if known, see 37 CFR 1.5) 09/674136
INTERNATIONAL APPLICATION NO. **PCT/EP99/02800**	INTERNATIONAL FILING DATE **23 April 1999**	PRIORITY DATE CLAIMED **28 April 1998**

TITLE OF INVENTION
FACILITY CONTROL COMPONENT OF A COMPUTER SYSTEM

APPLICANT(S) FOR DO/EO/US
Karola Hecker and Rudolf Stelzl

Applicant herewith submits to the United States /Designated/Elected Office (DO/EO/US) the following items and other information:

1. ■ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. □ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ■ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay.
4. ■ A proper Demand for International Preliminary Examination will be made by the 19th month from the earliest claimed priority date.
5. ■ A copy of International Application as filed (35 U.S.C. 371(c)(2))
   a. ■ is transmitted herewith (required only if not transmitted by the International Bureau).
   b. □ has been transmitted by the International Bureau.
   c. □ is not required, as the application was filed in the United States Receiving Office (RO/US)
6. ■ A translation of the International Application into English (35 U.S.C. 371(c)(2).
7. ■ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. §371(c)(3))
   a. □ are transmitted herewith (required only if not transmitted by the International Bureau).
   b. □ have been transmitted by the International Bureau.
   c. □ have not been made; however, the time limit for making such amendments has NOT expired.
   d. ■ have not been made and will not be made.
8. □ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ■ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). **Executed**
10. □ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern other document(s) or information included:

11. ■ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; **(PTO 1449, Prior Art, Search Report)**.
12. ■ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included. **(SEE ATTACHED ENVELOPE)**
13. ■ A FIRST preliminary amendment.
    □ A SECOND or SUBSEQUENT preliminary amendment.
14. □ A substitute specification.
15. □ A change of power of attorney and/or address letter.
16. ■ Other items or information:
    a. ■ Submission of Drawings **- Two sheets of Drawings - Drawing Correction Letter - Translation of Drawings**
    b. ■ **EXPRESS MAIL #EJ077704227US dated October 26, 2000.**

U.S. APPLICATION NO. (if known, see 37 C F.R. 1.5)	INTERNATIONAL APPLICATION NO	ATTORNEY'S DOCKET NUMBER
09/674136	PCT/EP99/02800	P00,1838

422 Rec'd PCT/PTO 26 OCT 2000

BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):

Search Report has been prepared by the EPO or JPO $860.00

International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) $670.00

No international preliminary examination fee paid to USPTO (37 C.F.R. 1.482) but international search fee paid to USPTO (37 C.F.R. 1.445(a)(2) $760.00

Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2) paid to USPTO $970.00

International preliminary examination fee paid to USPTO (37 C.F.R. 1.482) and all claims satisfied provisions of PCT Article 33(2)-(4) ..... $ 96.00

ENTER APPROPRIATE BASIC FEE AMOUNT =	$860.00	
Surcharge of $130.00 for furnishing the oath or declaration later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)).	$ 0	

Claims	Number Filed		Number Extra	Rate		
Total Claims	9	- 20 =	0	X $ 18.00	$	
Independent Claims	4	- 3 =	1	X $ 80.00	$ 80.00	
Multiple Dependent Claims				$270.00 +	$	

TOTAL OF ABOVE CALCULATIONS =	$940.00	
Reduction by 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed. (Note 37 C.F.R. 1.9, 1.27, 1.28)	$	
SUBTOTAL =	$940.00	
Processing fee of $130.00 for furnishing the English translation later than ☐ 20 ☐ 30 months from the earliest claimed priority date (37 CFR 1.492(f)). +	$	
TOTAL NATIONAL FEE =	$940.00	
Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). $40.00 per property +		
TOTAL FEES ENCLOSED =	$940.00	
	Amount to be refunded	$
	charged	$

a. ■ A check in the amount of $ **940.00** to cover the above fees is enclosed.

b. □ Please charge my Deposit Account No. _____ in the amount of $ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ■ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. **501519**. A duplicate copy of this sheet is enclosed.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Schiff Hardin & Waite
Patent Department
71st Floor Sears Tower
Chicago, Illinois 60606

Brett A Valiquet
SIGNATURE

Brett A. Valiquet
NAME

27,841
Registration Number

09/674136

2/pts. 422 Rec'd PCT/PTO 2 6 OCT 2000

FACILITY CONTROL COMPONENT OF A COMPUTER SYSTEM

Processor platforms in a computer system, for example a multi-computer system, must communicate with one another. This ensues with communication channels via which SW applications exchange messages with one another. Due to different HW/SW functionalities of the processor platforms in a system, different communication channels of the processor among one another are also required.

So that the inter-processor communication SW (abbreviated as IPK-SW) has knowledge about the available channels in the system, these (during operation and/or during the system run-up) are deposited in a data base (distributed or non-distributed) of which a copy is stored on magnetic disc. The establishment of these networking data ensues implicitly via a corresponding command (for example create...) to the administration SW for establishing an additional processor platform, i.e. the operator need not administer the communication relationships of the processor platforms.

The processor networking in the system has hitherto been rigidly defined. That part of the administration SW that administers the communication channels between the processors in the data base (this part can, for example, be referred to as facility control SW or facility control component) is implemented such that, given establishment of a new processor, it generates precisely the networking rigidly prescribed for this processor type, i.e. rigidly prescribed for a processor type in the code of the facility SW. However, the maximum system expansion (maximum plurality of processors) for all processor types is thus also determined in advanced on the basis of the fixed channel networking. All modifications of the processor networking (new types of processors, new communication channels between processors or modifications of the type of a channel) require modifications in the facility control SW that is responsible for the establishment of the channels in the data base. The resulting modification outlay is substantial.

The invention is based on the object of specifying a facility control component that avoids said disadvantages.

This object is achieved by a facility control component according to claim 1.

Advantages of the inventive solution:

- The maximum system expansion is no longer fixed
- The channel networking is not statically defined and, thus, neither is the maximum system expansion.
- The administration SW is now independent of the network topology.

All modifications of the processor networkings (new types of processors, new communication channels between processors) now no longer require any modifications of that part of the administration SW that is responsible for the establishment of the channels in the data base.

An exemplary embodiment of the invention is explained in greater detail below on the basis of the drawing, whereby the drawing comprises two Figures.

FIG. 1 shows an exemplary table with reference whereto the SW controls the establishment of a system component (for example, processor platform) in view of the channel networking.

FIG. 2 shows an exemplary channel networking that must be produced when establishing a new system component of the type C.

A master processor contains the administration SW and the static table. In FIG. 2, those channels that serve the master processor for distribution of the DB (or parts of the DB) onto the other processors (load channels) are not shown. These channels are not contained in the static table of FIG. 1 and are automatically setup upon initial system runup.

(1) At the design time: definition of formal criteria dependent on

a) processor type: (the processor type serves for distinguishing between different processor platforms with different HW and/or SW functionalities)

b) channel type: (the channel type serves for distinguishing between various transmission characteristics: for example, bandwidth and different employment resulting therefrom (for example, high band widths for loading code and data, low, medium bandwidth but burst-like traffic for

switching-oriented messages) and for assuring protection/security demands: due to separate communication relationships for security-oriented messages and switching-oriented messages, a mutual influencing should be precluded so that, for example, it can also be guaranteed given a high switching-oriented load that failure messages of the security technology can be transmitted)

(2) At the design time: statistical declaration of the networking of processors with formal criteria:

in the declaration, which ensues in a programming language suitable for the later generation of the program system, the entire networking topology for all possible platform types of the system is defined with the formal criteria listed above by way of example. The table according to FIG. 1 shows an exemplary content of said declaration (there are processors of the type A, B and C as well as channels of the type 1, 2, 3 and 4).

The table in FIG. 1 is to be read as follows:

* Processor type 1: processor type of the processor to be newly established
* Processor type 2: processor type with which the processor type to be established has a communication relationship
* Channel type: characterizes the communication channel that is to be established between processor type 1 and processor type 2.

(3) At the compilation/and linking time of the system program system (computer system program system):

generating a table (exemplary table: see FIG. 1) on the basis of the declarations at the design time. Deposit of the table in the DB that is then loaded onto the master processor upon run-up.

(4) At the run time: simply processing the table: this procedure is illustrated in FIG. 2, for example on the basis of the establishment of a new platform during operation (see: "create process (Type C)").

In the exemplary table of FIG. 1, the lines printed in bold face are processed in order to subsequently work corresponding facility description data (networking data) into the DB that serve the local IPK-SW later for establishing the

channels shown with broken lines. In order to find the entry into the table, the administration SW of the processor 1 is handed the information about the type of processor platform to be established, "Type C" here, via the command "create processor (Type C)". The administration SW now additionally observes that line of the table wherein the Type C occurs for the first time in the first column. The line instruction SW to establish a channel of the type 4 for a processor of the Type B that has already been established. Subsequently, the SW determines the processor or processors of the Type B already established on the basis of the configuration data already present in the DB, namely processor 2 and processor 5 in this case, and stores corresponding networking data in the DB on the basis of the particulars in the Table line (working the networking data into the DB). Subsequently, the SW considers the next line and processes this line according to the same strategy.

After said working-in, the administration SW instructs the DB management system to distribute said networking data onto the DBs of the remaining platforms (processors) of the system. Finally, the administration SW triggers the IPK-SW of a platform, which subsequently reads the networking data relevant for the platform from the DB and initiates the settings (for example, channel bandwidth, channel identifier, channel employment) on the platform that are required for the networking data.

When a new platform (not a new platform type!) is established with new channels during operation, thus, the networking description data are first introduced into the DB, are then distributed onto the participating platforms, and the IPK-SW receives a trigger message thereat that a new platform was established and to undertake the required settings thereat.

Upon initial run-up and differing from the example that has been explained, the entire table of FIG. 1 is processed.

It derives from what has been said that the SW that implements the working of the networking data into the DB is independent of the type of processor platform or, respectively, of the type of channel that is to be established. The entire working-in procedure is thus exclusively table-controlled.

Abbreviations Employed:

DB:	Database
HW:	Hardware
IPK-SW:	Interprocessor communication SW
SW:	Software

EP 0 924 904 A2

PATENT CLAIMS

1. Facility control component of a computer system that controls the establishment of a system component (for example, processor platform) of the computer system, in that it

a) first takes the information from a facility table regarding what communication channel type for the system components is to be established for which system component type;

b) then determines the system components of said type present in the current system;

c) then, on the basis of said channel type, generates facility data with reference whereto said system components and the identified system components implement the establishment of said channel type.

2. Facility control component according to claim 1, characterized in that the facility component controls the establishment of a system component in the run-up and/or during operation of the computer system.

3. Facility control component according to one of the claims 1 or 2, characterized in that the facility table has been generated offline.

4. Facility control component according to one of the claims 1 through 3, characterized in that the system component is a matter of processor platforms.

5. Facility control component of a computer system that controls the establishment of a system component (for example, processor platform), comprising a facility table from which the facility component takes the information regarding which communication channel type or types are to be established for which system component type to be established at which system component type or, respectively, at which system component types.

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6. Facility control component of a computer system that controls the establishment of a system component (for example, processor platform), comprising a facility table according to which the facility component controls the establishment of communication channels between the system component to be established (for example, processor platform) and the remaining system components, whereby the facility table

a) contains a first column that indicates possible types of system components that can be established,

b) contains a second column that indicates the system component types for which a system component type from the first column can have a communication relationship,

c) contains a third column that indicates the type of communication channel that is to be established between the system component types of the first and second column.

7. Method for controlling the establishment of communication channels for a system component of a computer system, in accord wherewith

a) the information regarding which communication channel type is to be established for the system component for which system component type is first taken from a facility table;

b) the system components of said type existing in the current system are then identified;

c) establishment data are then generated on the basis of said channel type, said system component and the identified system components implementing the establishment of said channel type with reference thereto.

8. Method for generating a facility table with whose assistance the establishment of communication channels between system components (processors) of a computer system is controlled, in accord wherewith

a) at the design time, a static declaration of the type of networking of system components is implemented, in that a declaration is made as to what

system component type to be established which communication channel type or types are to be established for which system component type;

b) a facility table is produced at the system building time on the basis of said static declaration.

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ABSTRACT

Facility Control Component Of A Computer System

Hereto, all modifications of communication channels between processors of a computer system require changes in the facility control SW that is responsible for establishing the channels. According to the invention, the communication channels of the processor platforms are now defined at the design time independently of the extent of the system expansion and are interpreted and corresponding established by the facility SW at the run time.

FIG. 2

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PROCESSOR TYPE PROCESSOR TYPE CHANNEL TYPE

(PROCESSOR TO BE SETUP)

~~Prozessortyp~~ 1 (~~einzurichtender Prozessor~~)	~~Prozessortyp~~ 2	~~Kanaltyp~~
TYPE ~~Typ~~ A	TYPE ~~Typ~~ B	1
TYPE ~~Typ~~ A	TYPE ~~Typ~~ A	2
TYPE ~~Typ~~ B	TYPE ~~Typ~~ A	1
TYPE ~~Typ~~ B	TYPE ~~Typ~~ C	3
TYPE ~~Typ~~ C	TYPE ~~Typ~~ B	3
TYPE ~~Typ~~ C	TYPE ~~Typ~~ B	4
TYPE ~~Typ~~ C	TYPE ~~Typ~~ C	1
...	...	...

FIG 1

009207 "9ETh2960

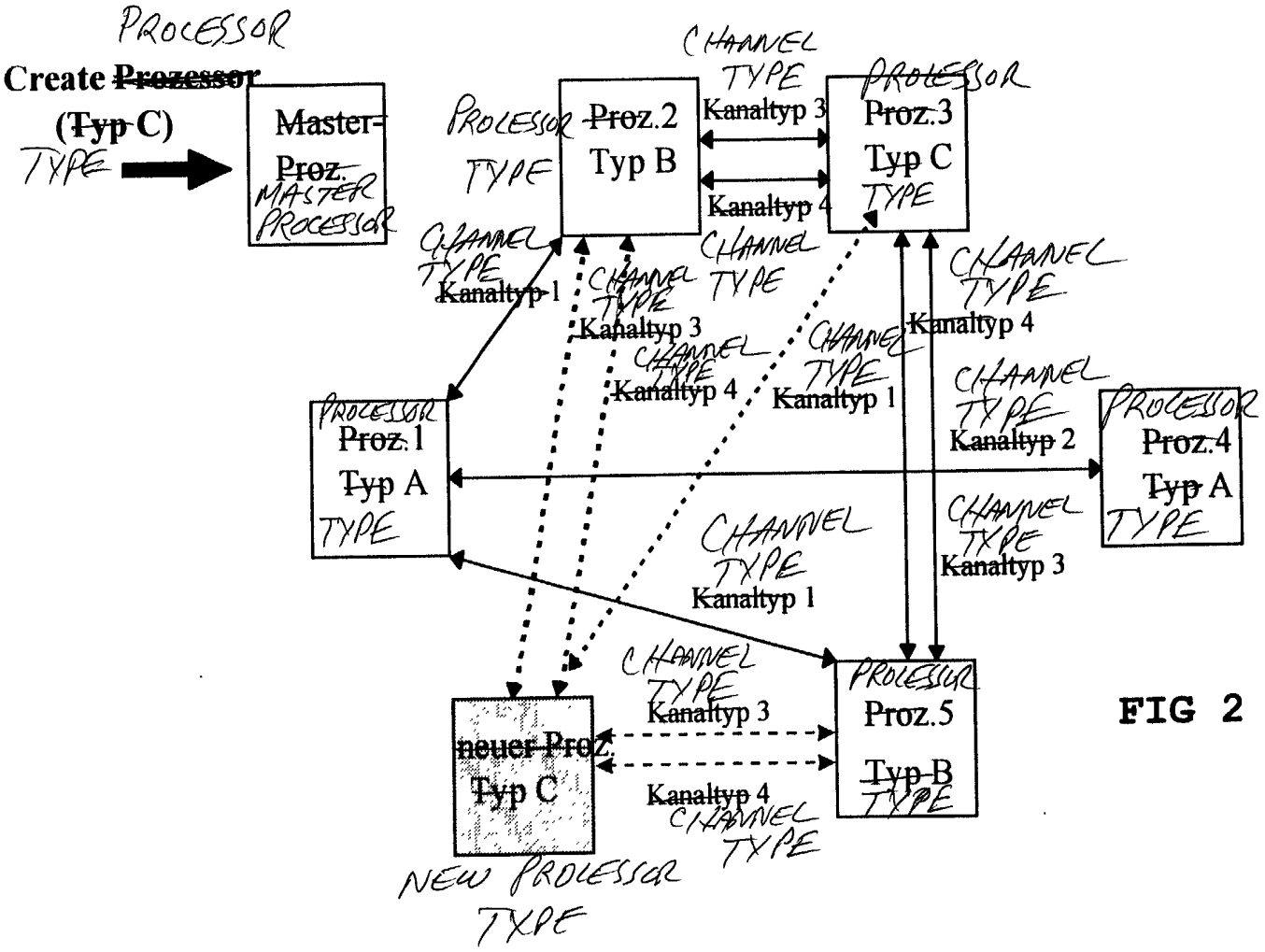

FIG 2

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IN THE UNITED STATES ELECTED OFFICE

OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER THE PATENT COOPERATION TREATY-CHAPTER II

DRAWING CORRECTION LETTER

APPLICANT: **KAROLA HECKER ET AL**

DOCKET NO: P00,1838

SERIAL NO: GROUP ART UNIT:

EXAMINER:

INTERNATIONAL APPLICATION NO: PCT/EP99/02800

INTERNATIONAL FILING DATE: 23 April 1999

INVENTION: **"FACILITY CONTROL COMPONENT OF A COMPUTER SYSTEM"**

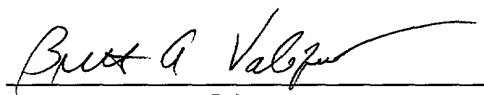
Assistant Commissioner for Patents

Washington, D.C. 20231

Sir:

Please amend Figures 1 and 2 as indicated in red on the attached drawing copies.

Respectfully submitted,



(Reg.No. 27,841

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(312) 258-5786
Attorneys for Applicants

009207 "9E7h<960

PROCESSOR TYPE PROCESSOR TYPE CHANNEL TYPE

(PROCESSOR TO BE SETUP)

~~Prozessortyp~~ 1 (~~einzurichtender Prozessor~~)	~~Prozessortyp~~ 2	~~Kanaltyp~~
TYPE ~~Typ~~ A	TYPE ~~Typ~~ B	1
TYPE ~~Typ~~ A	TYPE ~~Typ~~ A	2
TYPE ~~Typ~~ B	TYPE ~~Typ~~ A	1
TYPE ~~Typ~~ B	TYPE ~~Typ~~ C	3
TYPE ~~Typ~~ C	TYPE ~~Typ~~ B	3
TYPE ~~Typ~~ C	TYPE ~~Typ~~ B	4
TYPE ~~Typ~~ C	TYPE ~~Typ~~ C	1
...	...	...

FIG 1

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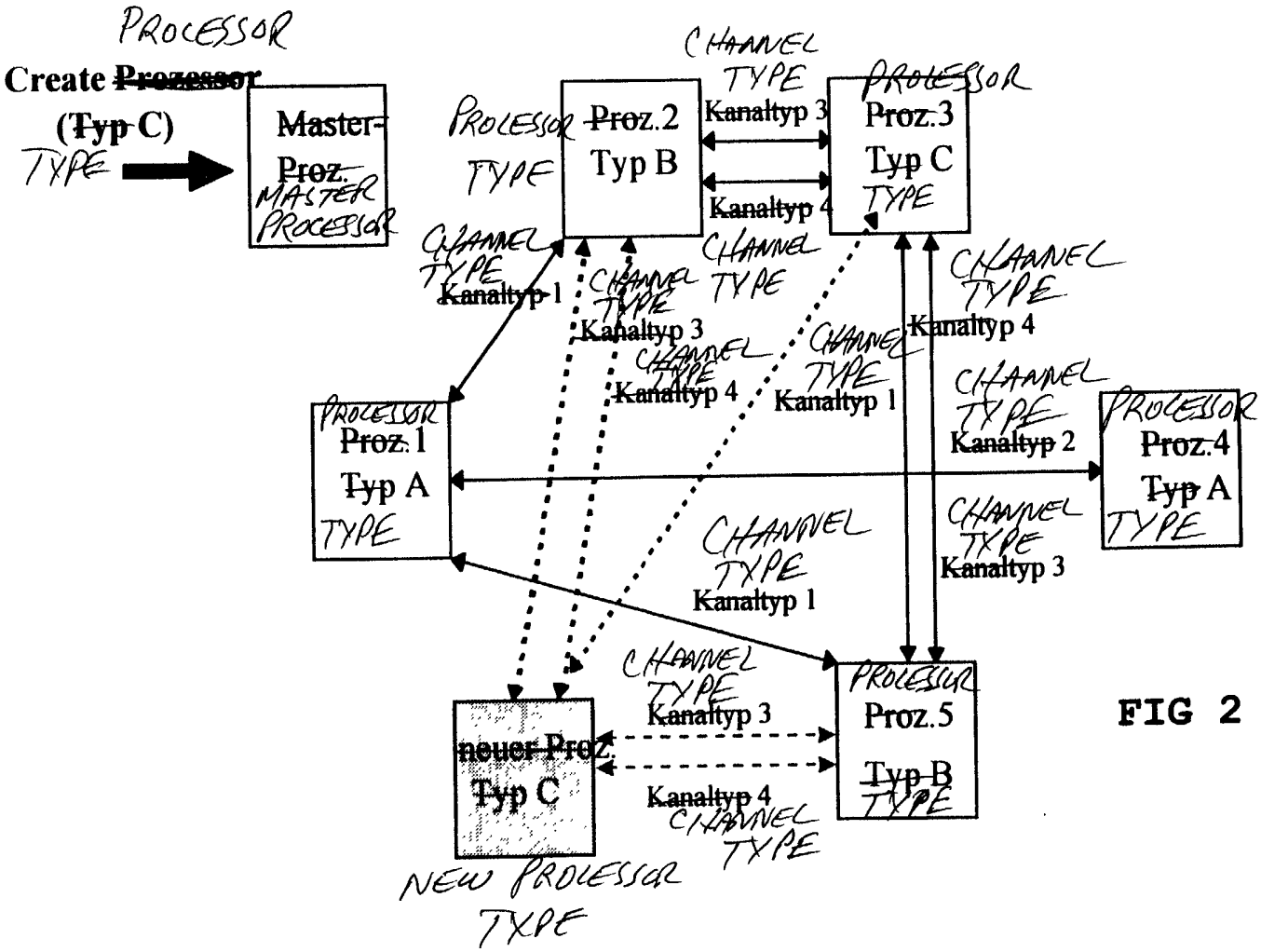
PROCESSOR
Create Prozessor
(Typ C)
TYPE
Master-Proz.
MASTER PROCESSOR
PROCESSOR
TYPE
Proz.2
Typ B
CHANNEL TYPE
Kanaltyp 3
Kanaltyp 4
PROCESSOR
Proz.3
Typ C
TYPE
CHANNEL TYPE
Kanaltyp 1
CHANNEL TYPE
Kanaltyp 3
CHANNEL TYPE
Kanaltyp 4
CHANNEL TYPE
Kanaltyp 4
CHANNEL TYPE
Kanaltyp 1
CHANNEL TYPE
Kanaltyp 2
PROCESSOR
Proz.1
Typ A
TYPE
PROCESSOR
Proz.4
Typ A
TYPE
CHANNEL TYPE
Kanaltyp 1
CHANNEL TYPE
Kanaltyp 3
CHANNEL TYPE
Kanaltyp 3
PROCESSOR
Proz.5
Typ B
TYPE
neuer Proz.
Typ C
Kanaltyp 4
CHANNEL TYPE
NEW PROCESSOR
TYPE

FIG 2

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IN THE UNITED STATES ELECTED OFFICE

OF THE UNITED STATES PATENT AND TRADEMARK OFFICE

UNDER THE PATENT COOPERATION TREATY-CHAPTER II

PRELIMINARY AMENDMENT

APPLICANT: **KAROLA HECKER ET AL**

DOCKET NO: P00,1838

SERIAL NO: GROUP ART UNIT:

EXAMINER:

INTERNATIONAL APPLICATION NO: PCT/EP99/02800

INTERNATIONAL FILING DATE: 23 April 1999

INVENTION: **"FACILITY CONTROL COMPONENT OF A COMPUTER SYSTEM"**

Assistant Commissioner for Patents,

Washington, D.C. 20231

Sir:

As a Preliminary Amendment for entry into the National Stage for the above-identified PCT application, the following is submitted:

IN THE DRAWINGS

Please amend the drawings as indicated in the attached Drawing Correction Letter.

IN THE SPECIFICATION:

Please amend the specification as follows:

On page 1, before the title, insert

--S P E C I F I C A T I O N

TITLE--

after the title, as a separate line, insert

--BACKGROUND OF THE INVENTION--.

On page 1, at line 3, delete "ensues" and substitute --occurs--.

On page 1, at line 11, delete "ensues" and substitute --occurs--.

On page 1, at line 17, after "as" insert --a--.

On page 1, at line 18, before "facility" insert --a--.

On page 1, at line 22, delete "advanced" and substitute --advance--.

On page 1, at line 27, delete "outlay" and substitute --expense--.

On page 1,before line 28, insert the following title:

--SUMMARY OF THE INVENTION--.

On page 1, delete lines 28-29, and substitute --It is an object of the invention to specify a facility control component that avoids the above-indicated disadvantages.--.

On page 2, delete lines 1 and 2, and substitute the following:

--According to the method and system of the invention for controlling establishment of communication channels for a system component of a computer system, information regarding which communication channel type

is to be established for the system component for which system component type is first taken from a facility table. The system components of said type existing in the current system are then identified. Establishment data are then generated on the basis of the channel type, said system component and the identified system components implementing the establishment of the channel type with reference thereto.--

On page 2, at line 13, delete "drawing" (first occurrence) and substitute --drawings--, in the same line, delete "drawing comprises" and substitute --drawings comprise--.

On page 2, at line 16, delete "." after "networking" and substitute --; and--.

On page 2, before line 14, insert the following heading:

--BRIEF DESCRIPTION OF THE DRAWINGS--

On page 2, at line 16, delete "." after "networking" and substitute --; and--.

On page 2, before line 19, insert the following heading:

DESCRIPTION OF THE PREFERRED EMBODIMENTS

On page 3, at line 9, delete "ensues" and substitute --occurs--.

On page 3, at line 12, delete "said" and substitute --the--.

On page 4, at lines 13 and 14, delete "said".

On page 4, at aline 21, delete "," after "thus".

On page 5, as the last paragraph, insert the following paragraph:

09/526,469

--Although various minor changes and modifications might be proposed by those skilled in the art, it will be understood that our wish is to include within the claims of the patent warranted hereon all such changes and modifications as reasonably come within our contribution to the art.--

IN THE ABSTRACT:

Please amend the Abstract as follows:

Delete "Abstract" and substitute --**ABSTRACT OF THE DISCLOSURE**--.

Delete line 2.

At line 3, delete "Hereto" and substitute --Previously--.

At line 4, delete "require" and substitute --required--.

At line 5, delete "According to the invention" and substitute --With the disclosed system,--.

Delete line 9.

IN THE CLAIMS:

On page 10 of the claims, delete "PATENT CLAIMS" and substitute --**WE CLAIM AS OUR INVENTION**--.

Please cancel claims 1-8 without prejudice.

Please substitute claims 9-17 as follows:

9. A facility control component of a computer system that controls establishment of a system component of the computer system, comprising:

means for first taking information from a facility table regarding what communication channel type for the system components is to be established for which system component type;

means for determining system components of said type present in the system; and

means for generating facility data with reference to which said system components and the identified system components implement establishment of said channel type.

10. The facility control component according to claim 9 wherein the facility component controls the establishment of a system component in at least one of the run-up and during operation of the computer system.

11. The facility control component according to claim 9 wherein the facility table has been generated offline.

12. The facility control component according to claim 9 wherein the system component comprises processor platform.

13. A facility control component of a computer system that controls establishment of a system component, comprising:

a facility table from which the facility component takes information regarding which communication channel type or types are to be established for which system

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component type to be established at which system component type or at which system component types.

14. A facility control component of a computer system that controls establishment of a system component comprising:

a facility table according to which the facility component controls establishment of communication channels between the system component to be established and remaining system components; and

the facility table having

a first column that indicates possible types of system components that can be established,

a second column that indicates the system component types for which a system component type from the first column can have a communication relationship, and

a third column that indicates the type of communication channel that is to be established between the system component types of the first and second column.

15. A method for controlling establishment of communication channels for a system component of a computer system, comprising the steps of:

taking from a facility table information regarding which communication channel type is to be established for the system component for which system component type;

identifying the system components of said type existing in the current system; and

then generating establishment data on the basis of said channel type, said system component and the identified system components implementing establishment of said channel type with reference thereto.

16. A method for generating a facility table with assistance of which establishment of communication channels between system components of a computer system is controlled comprising the steps of:

at a design time, implementing a static declaration of a type of networking of system components wherein a declaration is made as to what system component type is to be established and which communication channel type or types are to be established for which system component type; and

producing a facility table at system building time based on said static declaration.

17. The method of claim 16 wherein the system components comprise processors.

REMARKS

The specification, abstract, and drawings have been amended in accordance with U.S. practice, and for improved readability and clarity.

New claims based on the PCT claims, but drawn in accordance with U. S. practice are presented herewith.

An Information Disclosure Statement is enclosed.

Respectfully submitted,

Brett A Valiquet (Reg.No. 27,841)

Brett A. Valiquet
Schiff Hardin & Waite
Patent Department
71st Floor Sears Tower
Chicago, Illinois 60606
(312) 258-5786
Attorneys for Applicants

09/976,136-US2000

Declaration and Power of Attorney For Patent Application
Erklärung Für Patentanmeldungen Mit Vollmacht
German Language Declaration

Als nachstehend benannter Erfinder erkläre ich hiermit an Eides Statt:

As a below named inventor, I hereby declare that:

dass mein Wohnsitz, meine Postanschrift, und meine Staatsangehörigkeit den im Nachstehenden nach meinem Namen aufgeführten Angaben entsprechen,

My residence, post office address and citizenship are as stated below next to my name,

dass ich, nach bestem Wissen der ursprüngliche, erste und alleinige Erfinder (falls nachstehend nur ein Name angegeben ist) oder ein ursprünglicher, erster und Miterfinder (falls nachstehend mehrere Namen aufgeführt sind) des Gegenstandes bin, für den dieser Antrag gestellt wird und für den ein Patent beantragt wird für die Erfindung mit dem Titel:

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

Einrichtungssteuerungs-Komponente eines Rechnersystems

deren Beschreibung

(zutreffendes ankreuzen)

☒ hier beigefügt ist.

☐ am _____ als PCT internationale Anmeldung PCT Anmeldungsnummer _____ eingereicht wurde und am _____ abgeändert wurde (falls tatsächlich abgeändert).

the specification of which

(check one)

☐ is attached hereto.

☐ was filed on _____ as PCT international application PCT Application No. _____ and was amended on _____ (if applicable)

Ich bestätige hiermit, dass ich den Inhalt der obigen Patentanmeldung einschliesslich der Ansprüche durchgesehen und verstanden habe, die eventuell durch einen Zusatzantrag wie oben erwähnt abgeändert wurde.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment referred to above.

Ich erkenne meine Pflicht zur Offenbarung irgendwelcher Informationen, die für die Prüfung der vorliegenden Anmeldung in Einklang mit Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) von Wichtigkeit sind, an.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, §1.56(a).

Ich beanspruche hiermit ausländische Prioritätsvorteile gemäss Abschnitt 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 119 aller unten angegebenen Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde, und habe auch alle Auslandsanmeldungen für ein Patent oder eine Erfindersurkunde nachstehend gekennzeichnet, die ein Anmeldedatum haben, das vor dem Anmeldedatum der Anmeldung liegt, für die Priorität beansprucht wird.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

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Prior foreign appplications
Priorität beansprucht

(Number) (Nummer)	(Country) (Land)	(Day Month Year Filed) (Tag Monat Jahr eingereicht)	Priority Claimed Yes Ja	No Nein
98107761.3	Germany (EP)	28. April 1998	☒	☐
			☐	☐
			☐	☐

Ich beanspruche hiermit gemäss Absatz 35 der Zivilprozessordnung der Vereinigten Staaten, Paragraph 120, den Vorzug aller unten aufgeführten Anmeldungen und falls der Gegenstand aus jedem Anspruch dieser Anmeldung nicht in einer früheren amerikanischen Patentanmeldung laut dem ersten Paragraphen des Absatzes 35 der Zivilprozeßordnung der Vereinigten Staaten, Paragraph 122 offenbart ist, erkenne ich gemäss Absatz 37, Bundesgesetzbuch, Paragraph 1.56(a) meine Pflicht zur Offenbarung von Informationen an, die zwischen dem Anmeldedatum der früheren Anmeldung und dem nationalen oder PCT internationalen Anmeldedatum dieser Anmeldung bekannt geworden sind.

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §122, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occured between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.) (Anmeldeseriennummer)	(Filing Date) (Anmeldedatum)	(Status) (patentiert, anhängig, aufgegeben)	(Status) (patented, pending, abandoned)

Ich erkläre hiermit, dass alle von mir in der vorliegenden Erklärung gemachten Angaben nach meinem besten Wissen und Gewissen der vollen Wahrheit entsprechen, und dass ich diese eidesstattliche Erklärung in Kenntnis dessen abgebe, dass wissentlich und vorsätzlich falsche Angaben gemass Paragraph 1001, Absatz 18 der Zivilprozessordnung der Vereinigten Staaten von Amerika mit Geldstrafe belegt und/oder Gefängnis bestraft werden koennen, und dass derartig wissentlich und vorsätzlich falsche Angaben die Gültigkeit der vorliegenden Patentanmeldung oder eines darauf erteilten Patentes gefährden können.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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VERTRETUNGSVOLLMACHT: Als benannter Erfinder beauftrage ich hiermit den nachstehend benannten Patentanwalt (oder die nachstehend benannten Patentanwälte) und/oder Patent-Agenten mit der Verfolgung der vorliegenden Patentanmeldung sowie mit der Abwicklung aller damit verbundenen Geschäfte vor dem Patent- und Warenzeichenamt: *(Name und Registrationsnummer anführen)*

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

And I hereby appoint

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(Bitte entsprechende Informationen und Unterschriften im Falle von dritten und weiteren Miterfindern angeben).

(Supply similar information and signature for third and subsequent joint inventors).